

BEFORE BREAK PROCESSING

Structured Mode Syntax

```
BEFORE [BREAK] [PROCESSING]
    statement...
END-BEFORE
```

Reporting Mode Syntax

```
BEFORE [BREAK] [PROCESSING]
    {
        statement
        { DO statement... DOEND }
    }
```

Related Statement: AT BREAK

Function

The BEFORE BREAK PROCESSING statement may be used in conjunction with automatic break processing to perform processing:

- before the value of the break control field is checked;
- before the statements specified with an AT BREAK statement are executed;
- before Natural system functions are evaluated.

This statement is most often used to initialize or compute values of user-defined variables which are to be used in break processing (see AT BREAK statement).

If no break processing is to be performed (that is, no AT BREAK statement is specified for the processing loop), any statements specified with a BEFORE BREAK PROCESSING statement will **not** be executed.

This statement is non-procedural (that is, its execution depends on an event, not on where in a program it is located).

Restrictions

The BEFORE BREAK PROCESSING statement may only be used with a processing loop that has been initiated with one of the following statements: FIND, READ, HISTOGRAM, SORT or READ WORK FILE. It may be placed anywhere within the processing loop and is always related to the processing loop in which it is contained. Only one BEFORE BREAK PROCESSING statement may be specified per processing loop.

The statement BEFORE BREAK PROCESSING must not be used in conjunction with the statement PERFORM BREAK PROCESSING.

Example

```

/* EXAMPLE 'BBPEX1': BEFORE BREAK PROCESSING
/*****
DEFINE DATA LOCAL
1 EMPLOY-VIEW VIEW OF EMPLOYEES
2 CITY
2 NAME
2 SALARY (1)
2 BONUS (1,1)
1 #INCOME (P11)
END-DEFINE
/*****
LIMIT 7
READ EMPLOY-VIEW BY CITY = 'L'
/*****
  BEFORE BREAK PROCESSING
    COMPUTE #INCOME = SALARY (1) + BONUS (1,1)
  END-BEFORE
/*****
  AT BREAK OF CITY
    WRITE NOTITLE 'AVERAGE INCOME FOR' OLD (CITY) 20X AVER(#INCOME) /
  END-BREAK
/*****
  DISPLAY CITY 'NAME' NAME 'SALARY' SALARY (1) 'BONUS' BONUS (1,1)
END-READ
END

```

CITY	NAME	SALARY	BONUS	
LA BASSEE	HULOT	165000	70000	
AVERAGE INCOME FOR LA BASSEE				235000
LA CHAPELLE ST LUC	GUILLARD	124100	23000	
LA CHAPELLE ST LUC	BERGE	198500	50000	
LA CHAPELLE ST LUC	POLETTE	124090	23000	
LA CHAPELLE ST LUC	DELAUNEY	115000	23000	
LA CHAPELLE ST LUC	SCHECK	125600	23000	
LA CHAPELLE ST LUC	KREEBS	184550	50000	
AVERAGE INCOME FOR LA CHAPELLE ST LUC				177306